

REPORT ON 2021-22 MISSOURI ASSESSMENT PROGRAM GRADE-LEVEL AND END-OF-COURSE
PRELIMINARY STATEWIDE RESULTS IN ENGLISH LANGUAGE ARTS, MATHEMATICS,
SCIENCE, AND SOCIAL STUDIES

STATUTORY AUTHORITY:

Section 161.092, RSMo

☐Consent
Item☐Action
Item☒Report
Item**STRATEGIC PRIORITY**

Success-Ready Students & Workforce Development

SUMMARY

This report will provide an overview of the results of the 2021-22 implementation of the Missouri Assessment Program (MAP). Presenters will discuss the meaning of the preliminary results in English language arts, mathematics, science, and social studies. The report will also reflect on the implications of the pandemic on student learning and on the assessment results.

PRESENTERS

Lisa Sireno, Assistant Commissioner, Office of Quality Schools; and Shaun Bates, Standards, Curriculum, and Assessment Coordinator, will assist in the presentation and discussion of this agenda item.

Missouri Assessment Program 2021-22

August 16, 2022



WHY ADMINISTER LARGE-SCALE ASSESSMENTS?



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Accountability

Application

Improve educational systems
Ensure educational equity

- State and federal accountability
- Missouri School Improvement Program (MSIP)
- Every Student Succeeds Act (ESSA)

Provide public reporting and
feedback

- Students, parents, schools, communities, taxpayers

Evaluate programs at local and
state levels

- Curriculum reform, virtual learning, etc.

Provide comparisons and
benchmarks

- Other measures of student performance and achievement gaps

Research

- Ongoing implications of unfinished learning and post-pandemic recovery
- Identify successes

Develop specific supports for
students, teachers, and local
education agencies (LEAs)



- How the pandemic disrupted student learning:*
- ❑ In general, Mathematics experienced a greater impact of lost instructional time compared to English Language Arts (ELA).
- ❑ In Math and ELA, grade 5 (the earliest grade reported) experienced a greater impact of lost instructional time compared to later grades.
- ❑ In terms of instructional delivery, distanced/virtual learning experienced a greater impact of lost instructional time compared to hybrid/onsite delivery.
- ❑ Some student groups experienced a greater impact than others.

*Prepared for the Missouri Department of Elementary and Secondary Education (2022): Impact of Lost Instruction Time During the COVID-19 Pandemic

Preliminary Statewide Results



2021-22

**English Language Arts (ELA), Mathematics, Science,
and Social Studies**

INITIAL OBSERVATIONS FROM 2021-22 RESULTS



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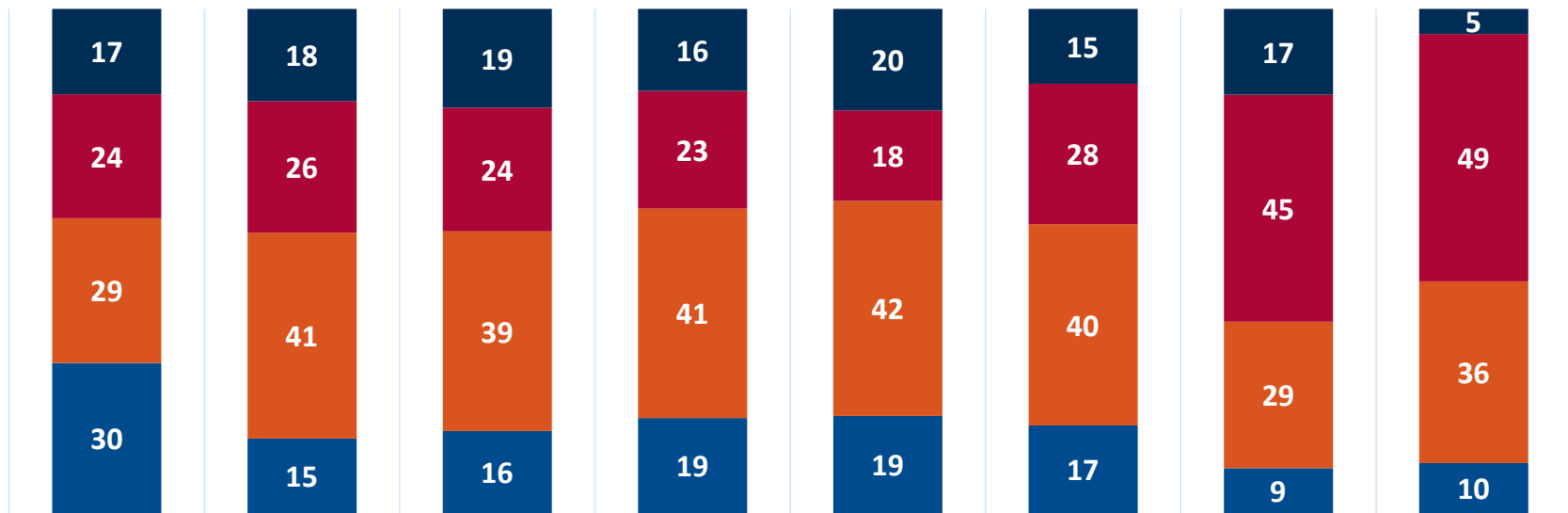
- More students tested than last year.
- Overall proficiency rates have not reached pre-pandemic levels.
 - ❑ Since 2020-21, proficiency in Mathematics and Science has increased in all grades and courses. Some gains are slight.
 - ❑ Since 2020-21, proficiency in ELA has declined, except in grade 5 and English I.
 - ❑ Since 2020-21, proficiency in Social Studies has declined.
- Educational experiences varied across the state in 2021-22 and in general had not returned to what was typical before the pandemic.

ENGLISH LANGUAGE ARTS (ELA) 2021-22

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■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced



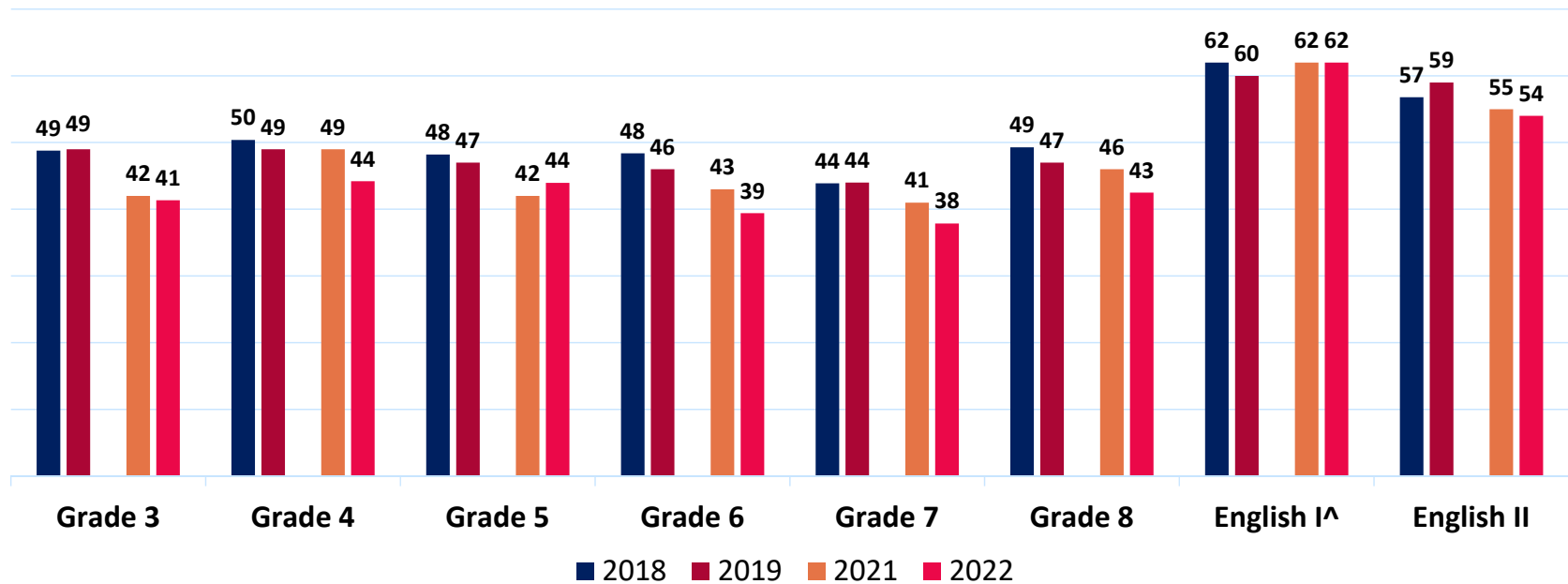
	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	English I^	English II
# Tested	63,960	64,346	64,946	65,977	67,610	69,080	6,039	65,443

^ Optional End of Course (EOC) assessment.

ELA PERCENT PROFICIENT + ADVANCED



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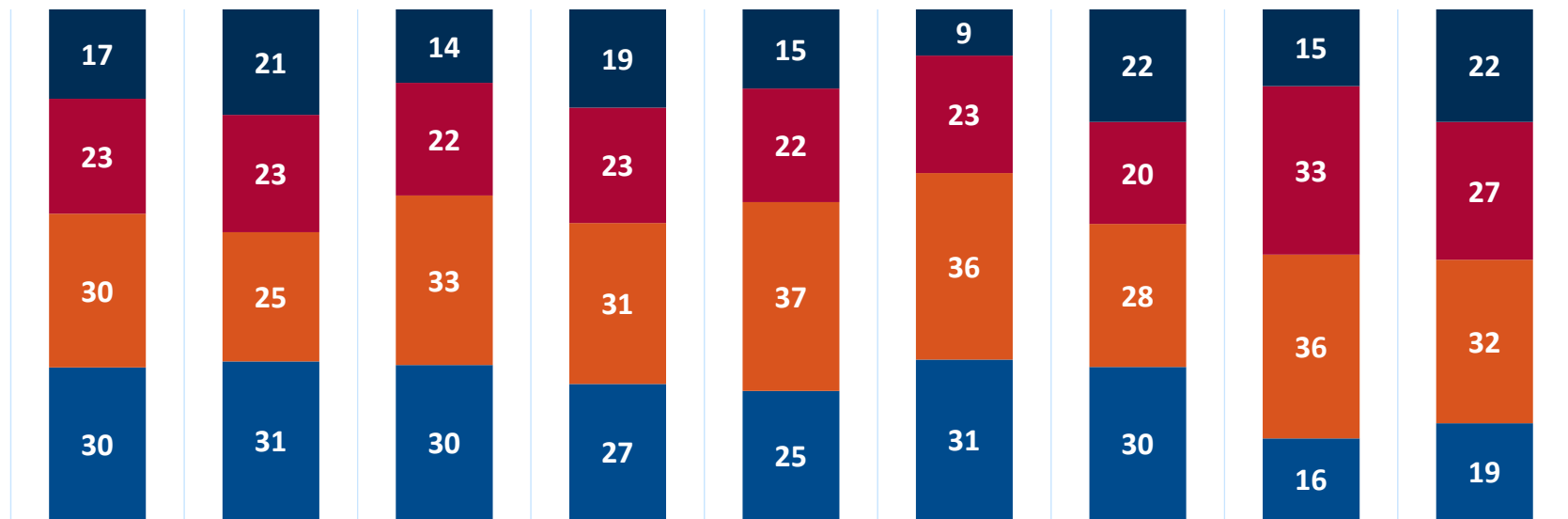


^ Optional EOC assessment.

MATHEMATICS 2021-22

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■ % Below Basic ■ % Basic ■ % Proficient ■ % Advanced

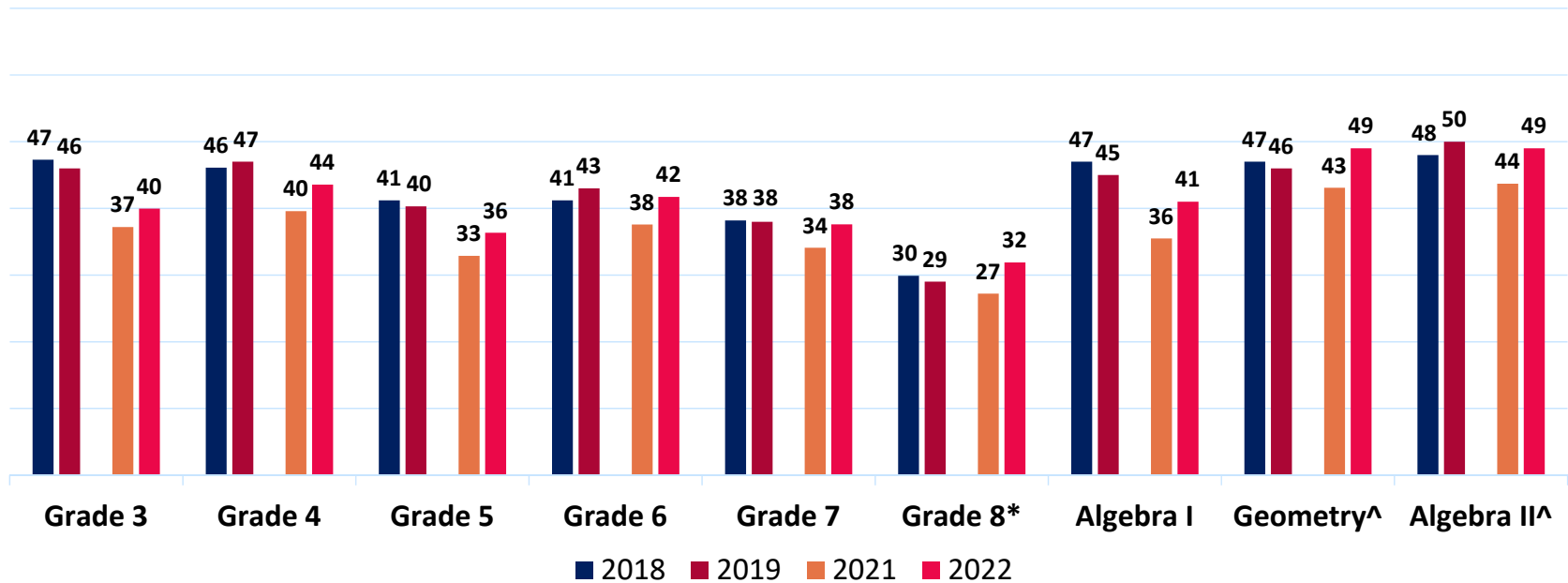


Tested **Grade 3** 64,174 **Grade 4** 64,528 **Grade 5** 65,120 **Grade 6** 66,078 **Grade 7** 67,230 **Grade 8*** 60,109 **Algebra I** 71,835 **Geometry^** 1,809 **Algebra II^** 9,875

* Does not include 8th grade students who took Algebra I EOC assessments.

^ Optional EOC assessment for most high school students. May be required for high school students who took Algebra I prior to high school.

MATHEMATICS PERCENT PROFICIENT + ADVANCED

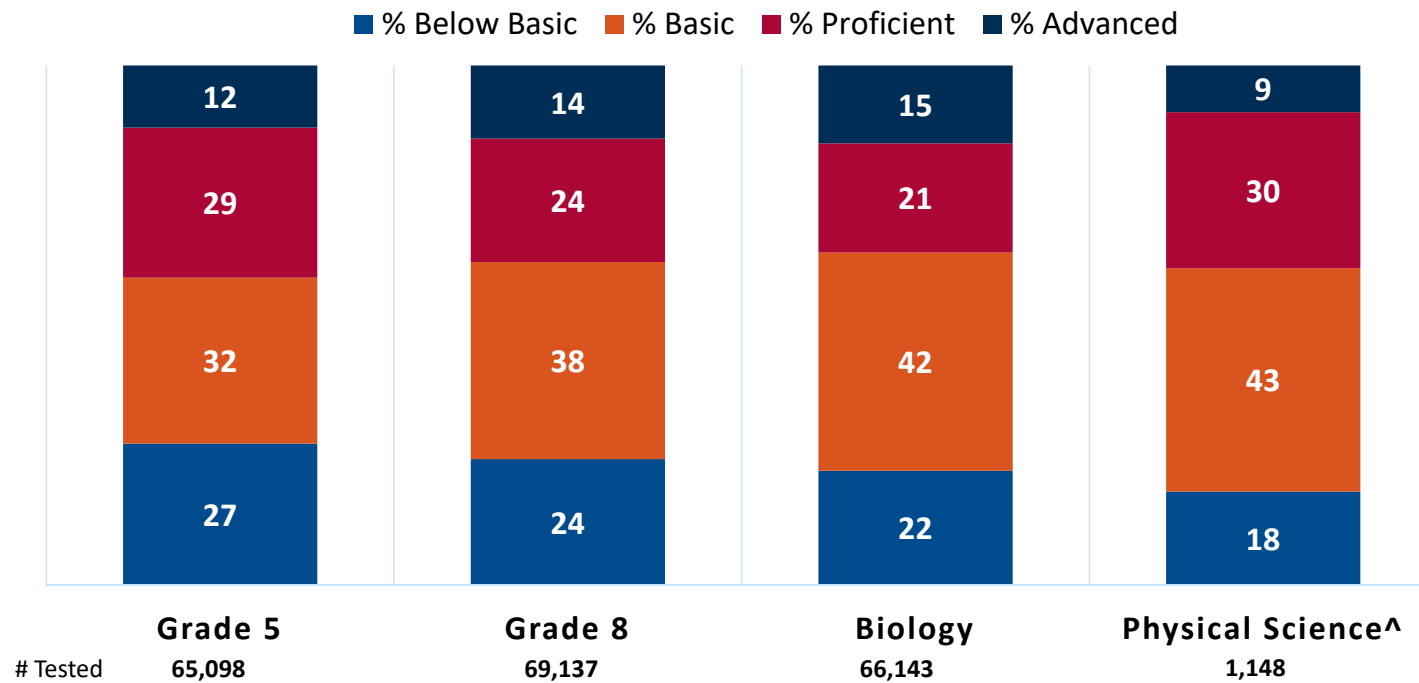


* Does not include 8th grade students who took Algebra I EOC assessments.

^ Optional EOC assessment for most high school students. May be required for high school students who took Algebra I prior to high school.

SCIENCE 2021-22

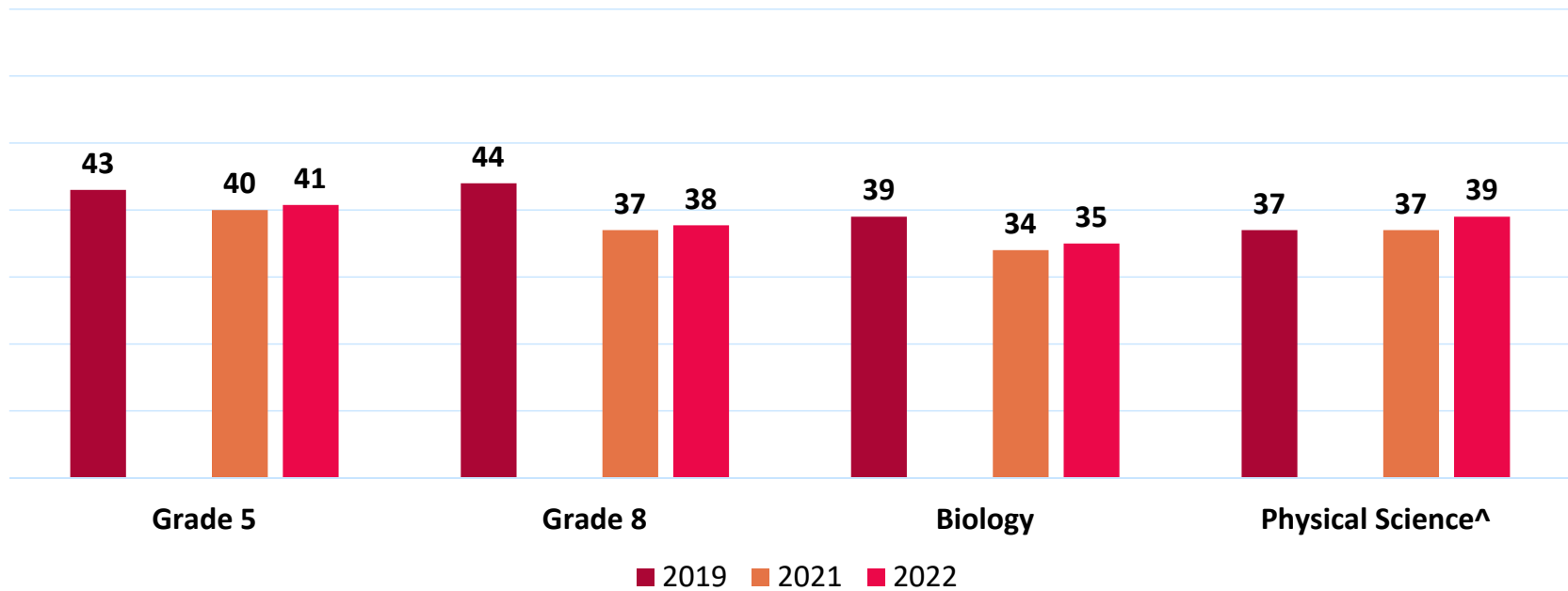
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^ Optional EOC assessment.

SCIENCE PERCENT PROFICIENT + ADVANCED

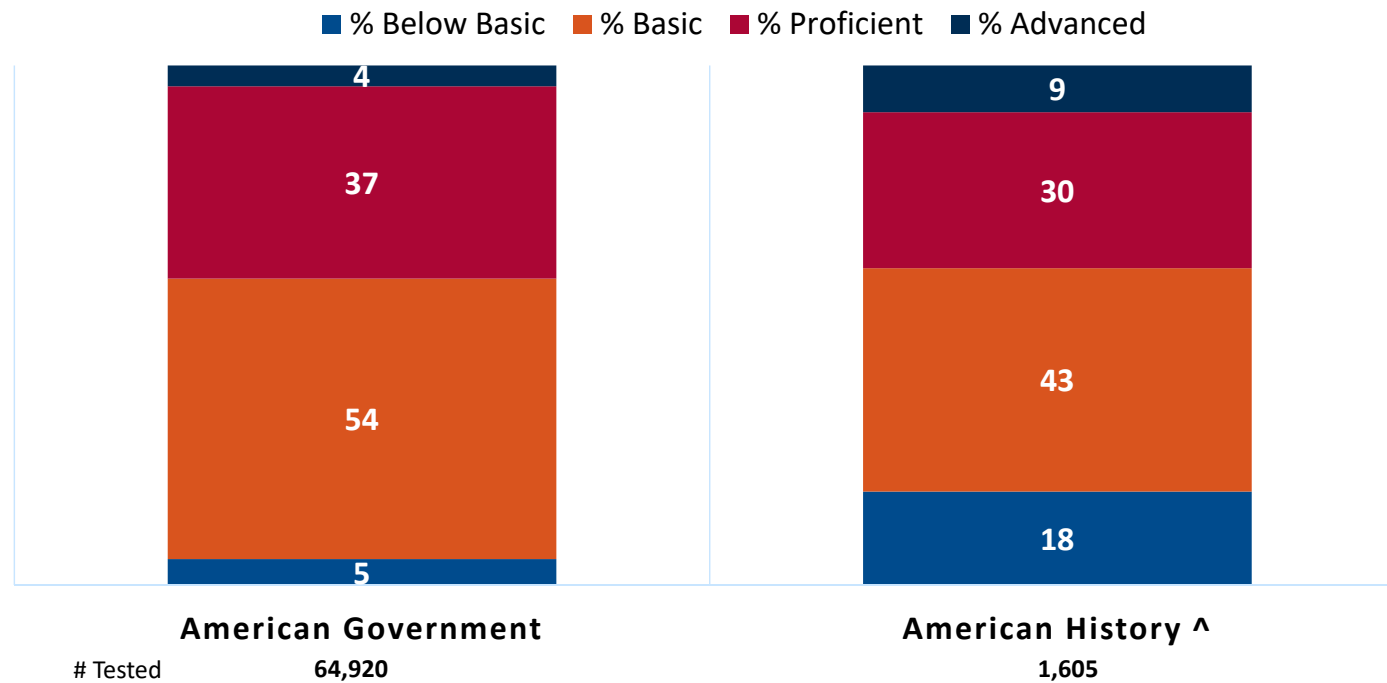
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^ Optional EOC assessment.

SOCIAL STUDIES 2021-22

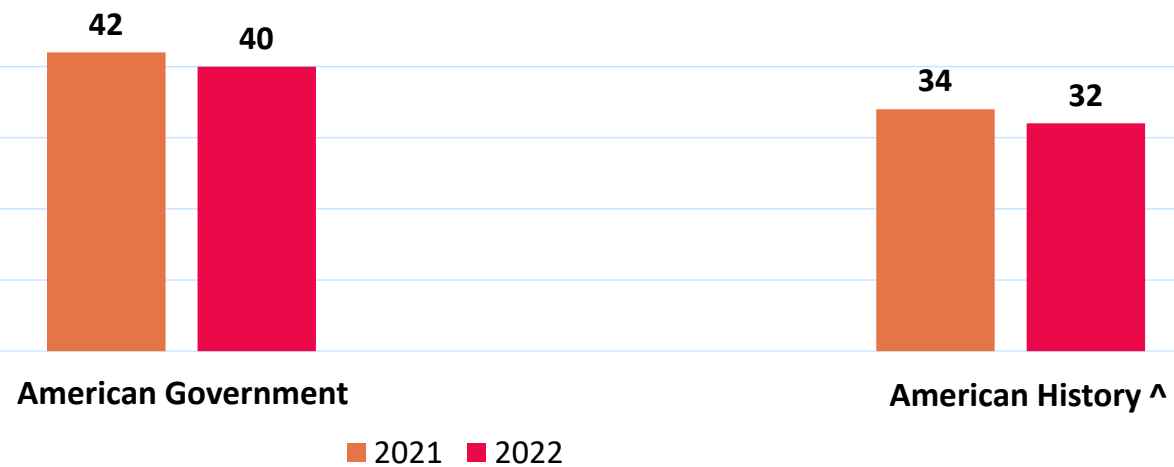
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^ Optional EOC assessment.

SOCIAL STUDIES PERCENT PROFICIENT + ADVANCED

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^ Optional EOC assessment.

Demographic Analyses



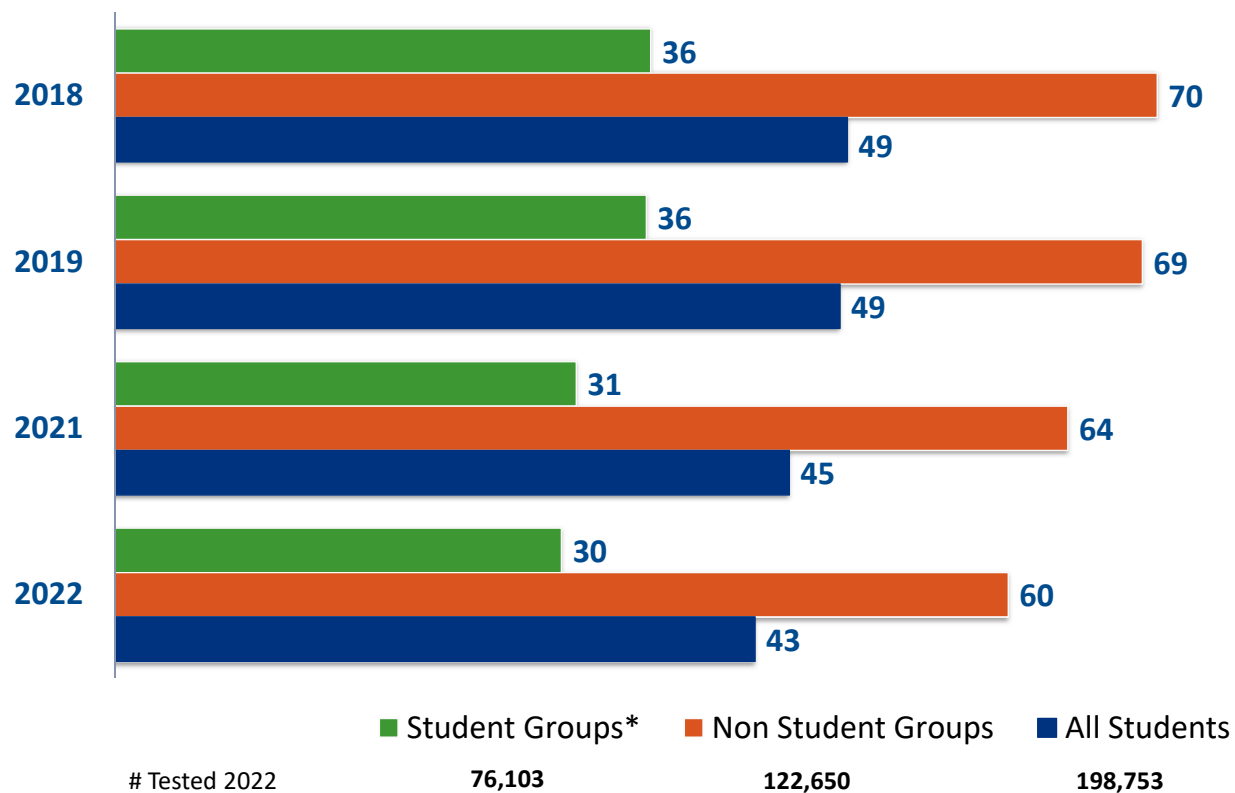
2021-22

ELA, Mathematics, Science, and Social Studies

ENGLISH LANGUAGE ARTS – GRADE 3 THROUGH HIGH SCHOOL PERCENT PROFICIENT + ADVANCED



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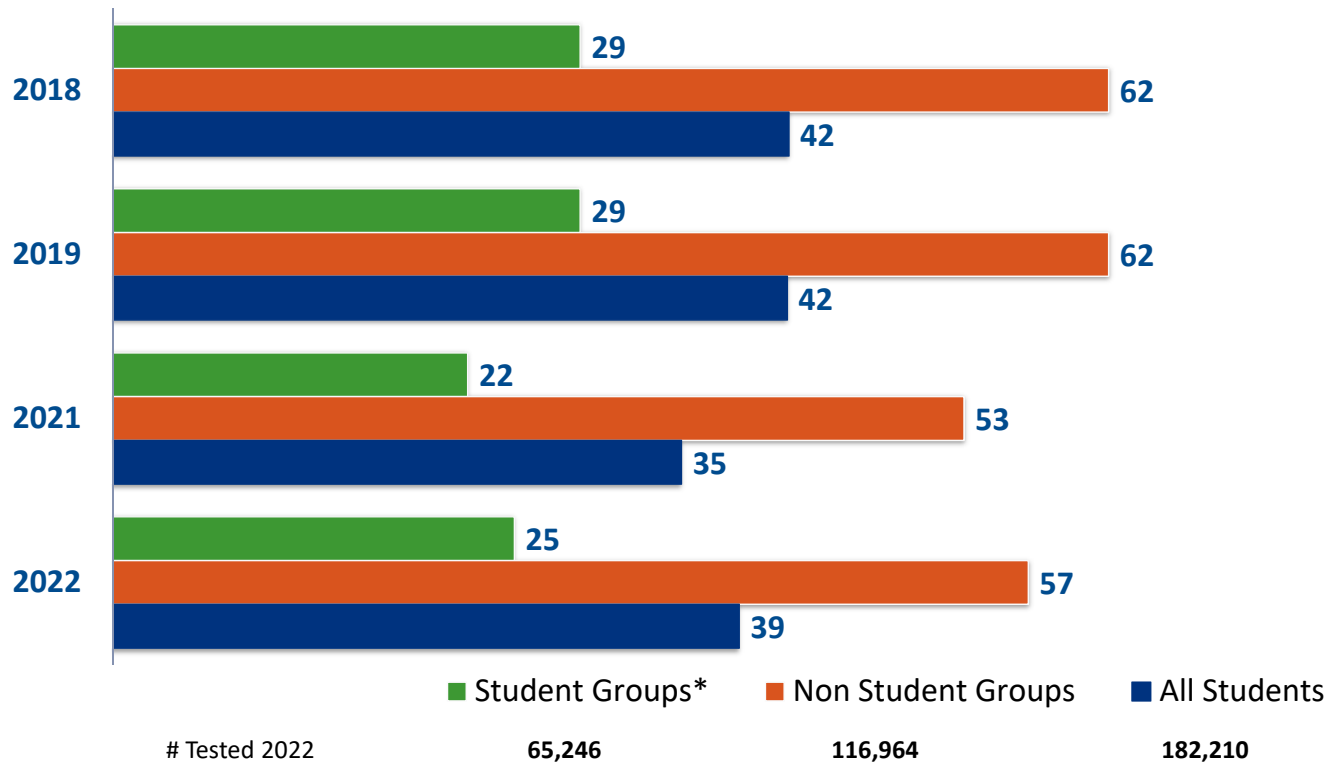


*Includes Black, English Learners (EL), Free and Reduced Lunch (FRL), Hispanic, and Individualized Education Plan (IEP) Student Groups.

MATHEMATICS – GRADE 3 THROUGH HIGH SCHOOL PERCENT PROFICIENT + ADVANCED



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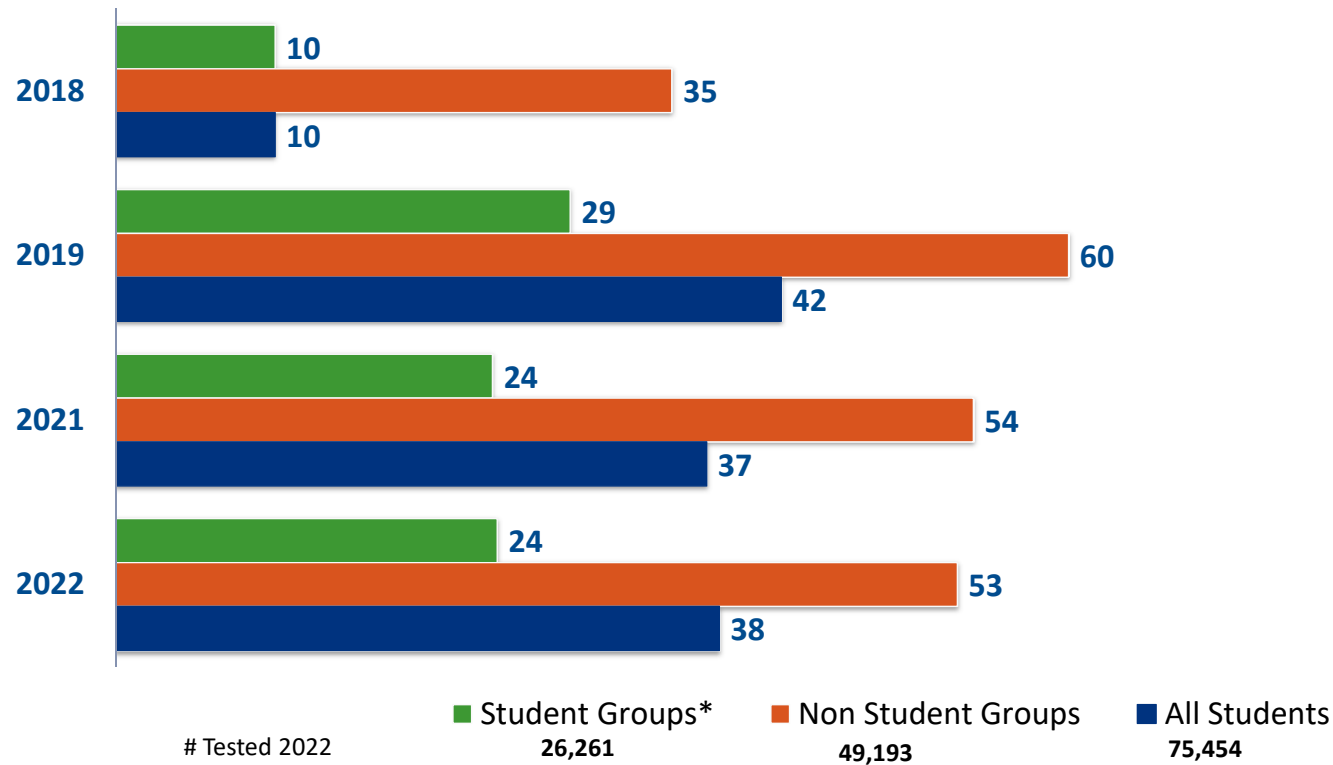


* Includes Black, EL, FRL, Hispanic, and IEP Student Groups.

SCIENCE – GRADE 3 THROUGH HIGH SCHOOL PERCENT PROFICIENT + ADVANCED



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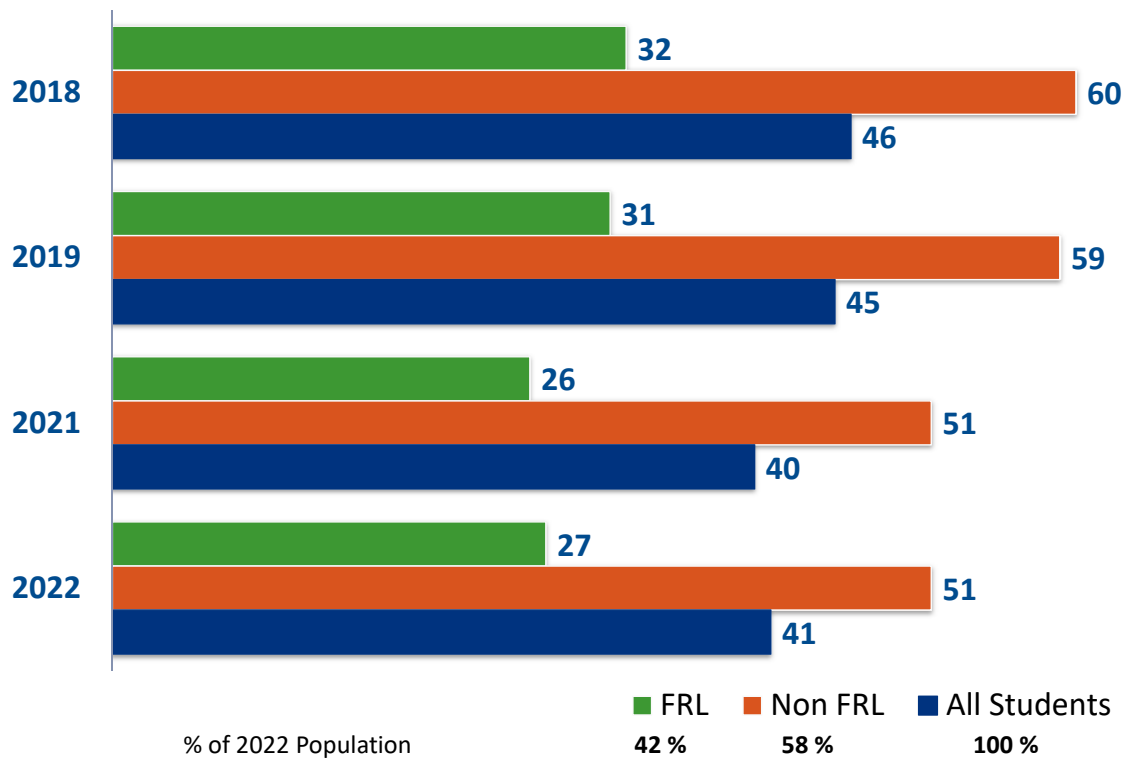


* Includes Black, EL, FRL, Hispanic, and IEP Student Groups.

FREE AND REDUCED PRICE LUNCH (FRL) – ALL TESTED CONTENT AREAS & GRADES – PERCENT PROFICIENT + ADVANCED



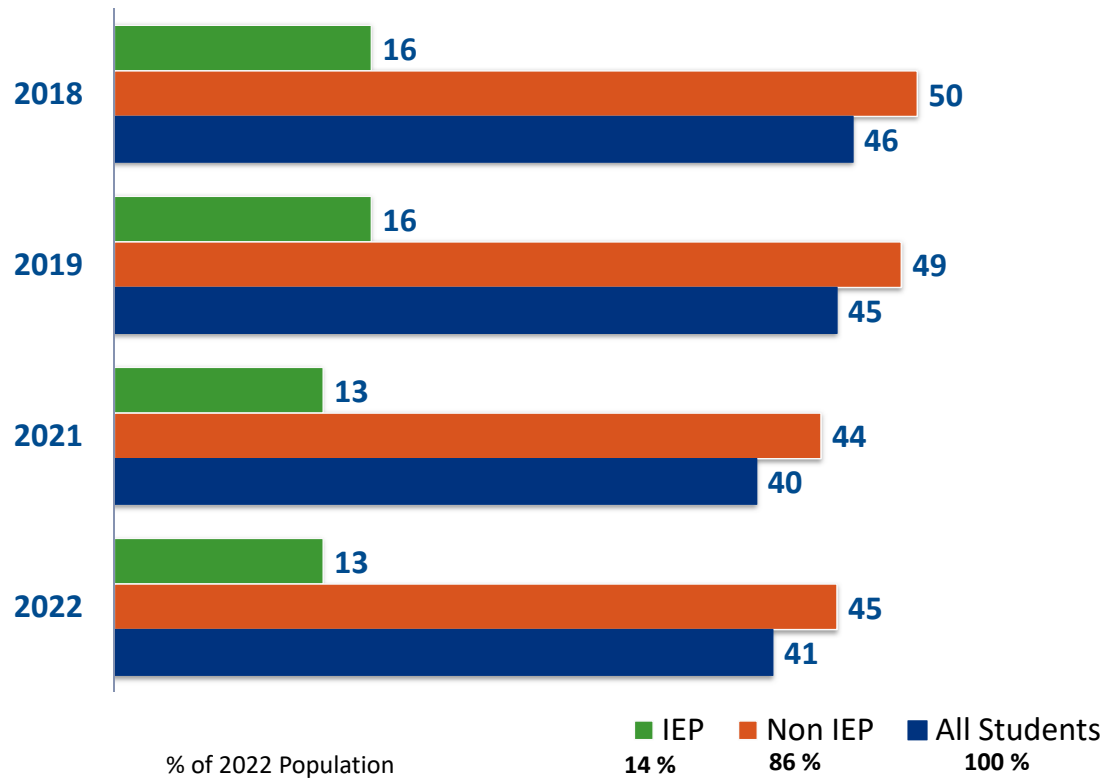
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INDIVIDUALIZED EDUCATION PROGRAM (IEP) – ALL TESTED CONTENT AREAS & GRADES – PERCENT PROFICIENT + ADVANCED



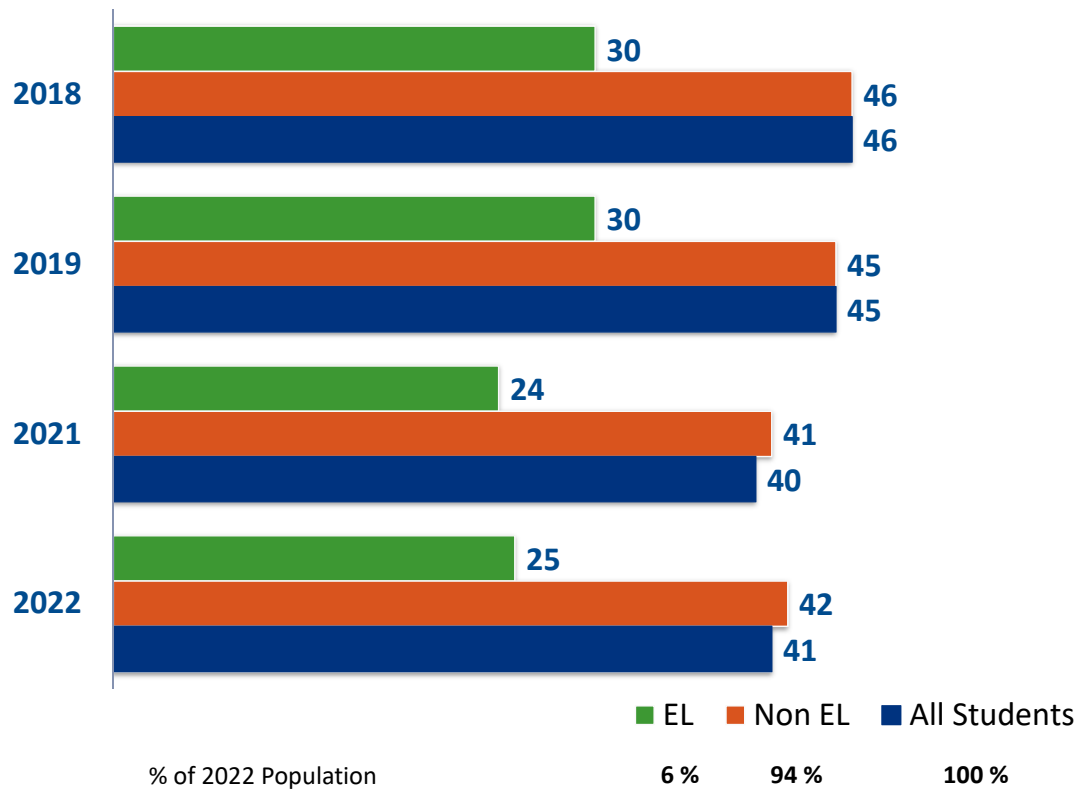
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ENGLISH LEARNERS (EL) – ALL TESTED CONTENT AREAS & GRADES PERCENT PROFICIENT + ADVANCED



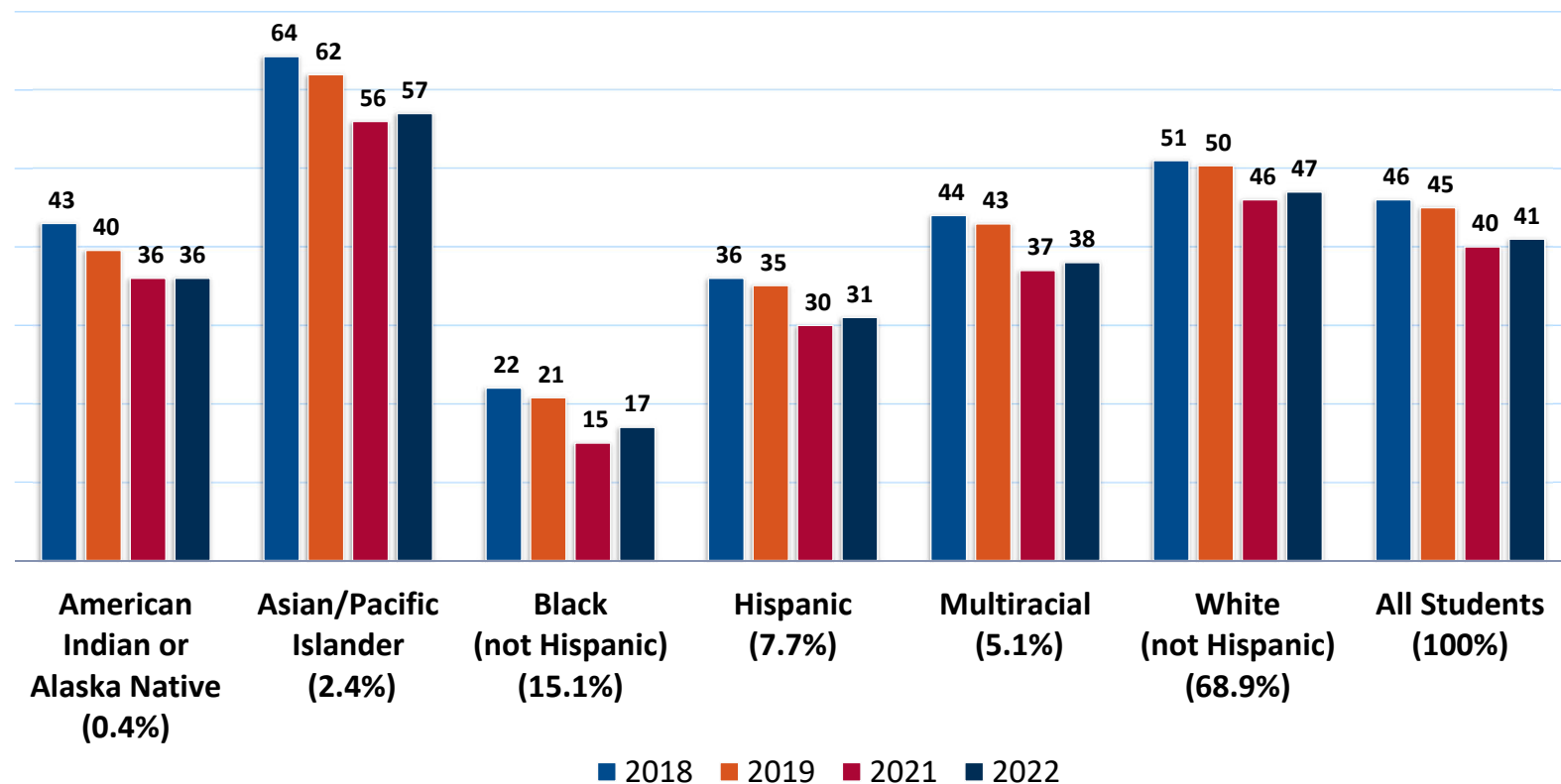
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ETHNICITY – ALL TESTED CONTENT AREAS & GRADES PERCENT PROFICIENT + ADVANCED



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RESEARCH QUESTIONS



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Study of the results and other influencing factors continues. Important research questions include:

- Which populations by region and demographics show evidence of recovery from pandemic-related disruptions? Which do not?
- Which populations experienced above or below expected growth between 2020-21 and 2021-22?
- Did the proficiency and growth differences observed among student populations in 2020-21 persist into 2021-22?
- What is the impact of mode of instruction on student performance?
- What is the impact of a four-day school week on student performance?

DESE RESPONSE EFFORTS



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Research into Pandemic Effects

Continued investigation of most significant impacts, growth model, and effective local responses

Missouri Read, Lead, Exceed

Evidence-based training for teachers, high quality instructional materials, and promoting long-term success

Missouri Mathematics Initiative

Evidence-based training for teachers, emphasis on fluency and rigor, and elementary mathematics specialist scholarships

Competency-Based Education

Success-Ready Students Work Group, legislative task force on competency-based education, and competency-based education grant program

Educator Workforce

Blue Ribbon Commission addresses teacher recruitment and retention solutions

School-Based and Private Practice Mental Health Best Practices

Statewide supports of mental health resources



Questions?

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